|       |          |               |      |           |          |              |           |           |          | Application No. Applicant |          |           |              |                  |          |              |           |              |              | t(s)     | )       |          | _     |               |                 |          |         |         |           |                 |          |   |
|-------|----------|---------------|------|-----------|----------|--------------|-----------|-----------|----------|---------------------------|----------|-----------|--------------|------------------|----------|--------------|-----------|--------------|--------------|----------|---------|----------|-------|---------------|-----------------|----------|---------|---------|-----------|-----------------|----------|---|
|       |          |               | ) (I |           |          |              |           |           |          |                           |          |           |              |                  |          | 10           | /62       | 3,0          | 62           |          |         |          |       |               |                 | Lff      | ٧E      | T A     | ۱L.       |                 |          |   |
|       |          |               |      |           |          | Ш            | Ш         |           |          | Ш                         |          |           |              |                  | ſ        |              | ami       |              |              |          |         |          |       |               |                 |          | t Uı    |         |           |                 |          |   |
|       |          |               |      |           |          |              |           |           |          |                           |          |           |              | David H. Malzahn |          |              |           |              |              |          |         |          |       | 2124          |                 |          |         |         |           |                 |          |   |
|       |          |               | _    |           |          |              | ٦         |           | _        | 1                         |          |           |              |                  |          |              | _         | _            | T            |          |         |          | -     |               |                 |          |         |         | _         |                 | 1        |   |
|       |          | <b>√</b>      | R    | Reje      | ect      | ed           |           |           | -        |                           | (Tr      | rou<br>Ca | gh n<br>ance | um<br>lled       | era      | il)          |           | N            | ı            | Voi      | n-Ei    | lect     | ted   |               | A               |          | Αp      | pea     | al        |                 |          |   |
|       |          | = Allowe      |      | ed        |          |              | +         |           |          | Restrict                  |          | ted       |              |                  |          | ı            | 1         | Interference |              | ren      | ice     |          | 0     | Objected Date |                 |          |         |         |           |                 |          |   |
| Claim |          | <u>—</u><br>Г | Date |           |          | te           |           |           | _        |                           |          |           |              |                  |          | <br>Da       | Date      |              |              |          | Cla     | aim      |       |               |                 |          | ·       |         |           |                 |          |   |
|       |          | 4             |      |           | Τ        | Ī            | Ť         |           | Γ        |                           |          |           |              |                  |          |              | Ť         | Ť            |              |          |         | 1        |       |               |                 | Т        |         | T       | Ť         | П               | П        | _ |
| Final | Origin   | 12/16/(       |      |           |          |              |           |           |          |                           |          | Fina      | Origin       |                  |          | -            |           |              |              |          |         |          | Final | Original      |                 |          |         |         |           |                 |          |   |
|       | 1        | ш             | _    | +         | -        | +            | $\dagger$ | ╁         | +        |                           | 1 1      |           | 51           |                  | $\dashv$ | $^{\dagger}$ | $\dagger$ | +            | +            | +        | +       | 1        |       | 101           | $\Box$          | +        | +       | +       | +         | Н               | $\vdash$ |   |
|       | _        | _             |      |           |          |              |           |           |          |                           |          |           |              |                  | Ţ        | 4            |           | F            |              |          |         |          |       | 102           |                 |          | 4       |         |           |                 |          |   |
| _     |          |               | _    | -         | +        | ╁            | +         | +         | +        | -                         | -        |           |              | $\dashv$         | +        | +            | +         | +            | +            | +        |         |          |       | 103<br>104    | H               | +        | +       | +       | +         | Н               | H        | H |
| 4.19  | 5        |               |      |           | 13       |              | L         | İ         | L        |                           | j t      | 8 ½       | 55           |                  | 1        | 1            |           | L            |              | L        | 上       | 1        |       | 105           |                 | 士        |         |         |           |                 | Ħ        |   |
|       |          | -             |      | F         | L        | L            | L         | F         | L        |                           | Į [      |           | 56           | Д                | 4        | Ţ            | Ţ         | F            | F            | F        | $\bot$  |          |       | 106           | П               |          | T       | L       | $\Box$    | П               | $\Box$   |   |
|       |          | -             | -    | ╁╌        | ╁        | ┿            | ╀         | +-        | +        | ┼                         | 1        |           |              |                  |          |              | +         | ╁            | +            | ╀        |         |          | -     | 107<br>108    | $\vdash$        | +        | +       | +-      | ╁         | Н               |          |   |
|       |          | -             |      | 十         | <u> </u> | ╁            | 十         | 十         | T        | ╁                         | İ        |           |              |                  | $\dashv$ | 114          | +         | Ť            | ╁            | T        | Ť       | 1        |       | 109           |                 | $\dashv$ | 十       | 十       | t         | $\vdash$        |          | T |
|       | 10       |               |      |           |          |              |           | L         | L        |                           |          |           | 60           |                  |          |              |           | İ            |              |          |         |          |       | 110           |                 |          |         |         |           |                 |          |   |
|       |          | _             | _    | ╄         |          | ╀            | ╀         | ╀         | 1        | _                         |          |           |              | $\dashv$         | _        | 4            | +         | ╀            | ╀            | Ļ        | ╄       |          |       | 111           |                 | 4        | +       | ╄       | ╀         | H               | $\vdash$ |   |
|       |          | —             |      | +         | ╁        | ╁            | ╁         | +         | ╁        | ╁                         | l        |           |              | $\dashv$         | +        | +            | +         | ╁            | +            | ╁        | +       | 1 1      |       | 112<br>113    | Н               | +        | +       | ╁       | +         | Н               | $\dashv$ | _ |
|       |          | -             |      | H         | T        | t            | t         | ╁         | t        | H                         | ŀ        |           |              | Ħ                | $\dashv$ | $\dagger$    |           | t            | $\dagger$    | t        | T       | 1 1      |       | 114           | Н               | $\top$   | +       | +       | +         | H               | Н        |   |
|       | 15       | -             |      |           |          |              |           | Ţ         |          |                           |          |           |              |                  |          |              |           |              |              |          |         |          |       | 115           |                 | $\Box$   | 工       |         |           |                 |          |   |
|       |          | -             |      |           |          |              |           |           |          |                           |          |           |              | 11.1.2           |          |              |           |              |              |          |         |          |       | 116           | Ш               |          |         | _       | -         |                 | H        | _ |
|       |          | -             |      |           | +        | ╁            | +         | +         | +        | +                         | 1        |           |              |                  | +        | -+-          | +         | +            | +            | ╁        | +       | 1        |       | 117<br>118    |                 | +        | +       | +       | -         |                 | -        | - |
|       |          |               |      | $\dagger$ |          | ╁╌           | $\dagger$ | t         | +        | 1                         | i        |           |              |                  | _        | 十            | +         | +            | $\dagger$    | ┢        |         | 1 1      |       | 119           | $\vdash$        | $\dashv$ | +       | +       | $t^{-}$   | H               |          | _ |
|       | 20       | _             |      |           |          | L            | I         |           | Γ        |                           |          |           |              |                  | $\Box$   |              |           | Ţ            |              | Ţ.       |         | ] ]      |       | 120           | П               |          |         |         |           |                 |          |   |
|       |          | -             |      | ╀         | +        | ╀            | +         | +         | ╄-       | ╄                         |          |           |              | $\sqcup$         | $\dashv$ | _            | 4         | $\bot$       | ╀            | ╀        | +       | 1 1      |       | 121           | $\sqcup$        | $\dashv$ | $\perp$ | $\bot$  | ╄         | Ш               | $\dashv$ |   |
| _     |          | -             | _    | +         | ╀        | ╁            | ╀         | +         | ╁        | ╁                         | ┨╏       |           |              | $\dashv$         | -        | +            | ┿         | ╁            | ╁            | ╁        | -       | 1        |       | 122<br>123    | Н               | +        | +       | ╁       | ╁┯        | Н               | +        |   |
|       |          |               |      |           | T        | t            | $\dagger$ | $\dagger$ | T        | T                         | 1        |           | 74           |                  | +        | +            | $\top$    | T            | $\dagger$    | ╁        | +       | 1        |       | 124           |                 | _        | $\top$  | 1       | $\dagger$ | H               | $\dashv$ |   |
|       | 25       |               |      |           |          |              | L         | $\perp$   |          |                           | ] [      |           | 75           |                  | $\perp$  | ightharpoons |           | I            |              | L        | _       | ] [      |       | 125           |                 |          |         |         |           | 口               |          |   |
|       |          | -             | _    | $\vdash$  | $\vdash$ | $\vdash$     | +         | +         | +        | ╀                         | ┨        |           |              | $\sqcup$         | 4        | +            | +         | +            | 4            | +-       | +       |          |       | 126           | $\vdash \vdash$ | 4        | +       | +       | ┼         | $\sqcup$        | $\dashv$ |   |
|       |          |               |      | +         | $\vdash$ | +            | +         | +         | +        | +                         | ┨╏       |           |              | -                | +        | +            | +         | +            | +            | +        | +       | <b>┤</b> |       | 127<br>128    | $\vdash$        | +        | +       | +       | -         | ┼┤              | $\vdash$ |   |
|       | 29       | -             | _    | $\perp$   | 1        | $^{\dagger}$ | 1         | 丁         | T        |                           | j        |           | 79           |                  | _        | +            | $\top$    | 十            | $\top$       |          | T       | 1        |       | 129           | $\vdash$        | $\dashv$ | +       | 1       | 1         | $\vdash$        | $\vdash$ |   |
|       | 30       |               |      |           | Г        | Γ            | F         | L         |          |                           | ] [      |           | 80           | Ц                | 1        | I            | T         | Ţ            | I            | L        | Г       | ] [      |       | 130           | П               |          | $\perp$ | 1_      |           | П               |          |   |
|       |          | Н             | _    | $\vdash$  | ╀        | +            | +         | +         | +        | -                         | -        |           |              | -                | +        | 4            | -         | +            | +            | +        | +       | ┨╏       |       | 131<br>132    | $\vdash \vdash$ |          | +       | +       | $\vdash$  | $\vdash$        | $\vdash$ |   |
| -     |          | Н             | _    | $\vdash$  | +        | +            | +         | +         | +        | -                         |          |           | 83           | $\dashv$         | +        | +            | +         | ╁            | +            | +        | +       | ┧╏       |       | 133           | $\vdash$        | +        | +       | +       | ╁         | $\vdash$        | $\vdash$ |   |
|       | 34       |               |      |           | İ        |              |           | 1         | $\perp$  |                           | 1 t      | `         | 84           | 寸                | 士        | 士            | 士         | İ            | İ            |          | T       | 1        |       | 134           | $\Box$          |          | $\top$  | T       | Ľ         |                 | $\Box$   |   |
|       |          | П             |      | Г         | Г        | Γ            | Ι         | Γ         | L        |                           |          |           | 85           | $\Box$           | $\Box$   | $\bot$       | T         | I            | I            | Γ        |         | ] [      |       | 135           | $\square$       |          | I       |         | $\Box$    | П               |          |   |
|       |          | $\vdash \mid$ | _    | $\vdash$  | $\vdash$ | 1            | +         | ╁         | $\vdash$ | -                         |          |           | 86           | $\dashv$         | +        | +            | +         | ╀            | +            | $\vdash$ | +       |          |       | 136<br>137    | $\vdash$        | 4        | +       | +       | -         | $\vdash \vdash$ | $\dashv$ | _ |
|       |          | H             |      | $\vdash$  | +        | +            | +         | +         | +        | $\vdash$                  | <b> </b> | -         | 88           | +                | +        | +            | +         | +            | +-           | ╁        | ╁       | 1 1      |       | 137           | H               | +        | +       | +       | +-        | Н               | -        |   |
|       |          |               |      | I         |          | 1            | T         | $\perp$   | 士        | 厂                         | †        |           | 89           |                  | $\perp$  | 士            |           | İ            | T            | T        | T       | 1        |       | 139           |                 | 二十       | $\perp$ | $\pm$   | $I^-$     |                 |          | _ |
|       | 40       |               |      |           |          |              |           | L         |          |                           |          |           | 90           | $\Box$           | 1        | $\perp$      | $\perp$   | Γ            | I            | $\Box$   | $\perp$ | ] [      |       | 140           |                 |          | $\perp$ |         |           | $\Box$          | $\Box$   |   |
| _     | 41       | $\vdash \mid$ |      | -         | 1        | +            | ╀         | +         | ╀        |                           |          |           | 91<br>92     | $\dashv$         | +        | +            | +         | ╀            | +            | $\vdash$ | +       |          | _     | 141           |                 |          | +       | +       | <b>├</b>  | $\vdash$        | -        |   |
|       | 42<br>43 | $\vdash$      |      | ╁         | $\vdash$ | ╁            | +         | +         | ╁        | <del> </del>              | ╽┟       |           | 93           | $\dashv$         | +        | +            | +         | +            | +            | +        | +-      | ┨╏       |       | 142<br>143    | $\vdash$        | +        | ╁       | +       | ╁         | $\vdash$        | $\dashv$ |   |
|       | 44       |               |      |           |          |              |           | T         |          |                           |          |           | 94           |                  | _        | _            | ╅         | 1            | $^{\dagger}$ | T        | T       | 1        |       | 144           |                 | 十        | _       | $\perp$ | ऻ         | H               |          |   |
| _     | 45       | П             |      | Т         | Т        | T            | T         |           |          |                           | 1        |           | 95           |                  | T        | 丁            | Τ         | T            | 1            | T        | T       | 1        |       | 145           |                 |          |         |         | Т         | П               |          |   |